

UBE Nylon P7115U

PA612

UBE

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	34	g/10min	ISO 1133
Temperature	190	°C	-
Load	1	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	1.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	60	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	1	kg	-
Mechanical properties			
ISO Data			
Yield stress	25	MPa	ISO 527
Yield strain	7	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	500	MPa	ISO 178
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Shore D hardness	73	-	ISO 7619-1
Rockwell hardness	R 66	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	20	MPa	ASTM D 638
Tensile Strength at Break	27	MPa	ASTM D 638
Elongation at Break	300	%	ASTM D 638
Flexural Modulus	520	MPa	ASTM D 790
Flexural Strength	23	MPa	ASTM D 790
Izod Impact notched, 1/8 in	27.9	J/m	ASTM D 256
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	145	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	42	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	47	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	170	E-6/K	ISO 11359-1/-2
ASTM Data			
DTUL @ 66 psi	60	°C	ASTM D 648
Melting Temperature	145	°C	ASTM D 3418
Electrical properties			
ISO Data			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Other properties			
Density	1030	kg/m ³	ISO 1183
Density	1030	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Powder, Natural Color

Features

Copolymer

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe